



## Safety Procedure Manual

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**SUBJECT: Powered Industrial Trucks Program**

**REGULATORY STATUTE: OSHA -29 CFR 1910.178**

**BASIS:** Accidents resulting from powered industrial truck operation can result in severe personal injury or death, major property damage and major damage to company products. This poses a serious problem for workers and their employer. The OSHA Powered Industrial Trucks Standard establishes uniform requirements to make sure that hazards associated with the use of Powered Industrial Trucks are evaluated, and that this hazard information and training is transmitted to all affected workers.

**GENERAL:** Case Western Reserve University will ensure that the requirements of the OSHA Standard for powered industrial trucks will be adhered to. This standard practice instruction is intended to address comprehensively the issues of; employee training, authorization, safety requirements, fire protection, new purchase designs, maintenance, and general operation of fork trucks, tractors, platform lift trucks, motorized hand trucks, and other specialized industrial trucks used within our facility.

**RESPONSIBILITY:** The Case Western Reserve University Directors of EHS, are solely responsible for all facets of this program and has full authority to make necessary decisions to ensure success of the program. The Safety Officers will develop written detailed instructions covering each of the basic elements in this program, and is the sole person authorized to amend these instructions. Case Western Reserve University has expressly authorized the Safety Officers to halt any operation of the company where there is danger of serious personal injury.

## **Contents of the Case Western Reserve University Powered Industrial Trucks Program**

- 1. Written Program. Development and Maintenance of a written powered industrial trucks program.**
- 2. Training Program. Development and implementation of the employee training program regarding; authorization, use, operator maintenance, and associated hazards.**
- 3. Operations Program. Development and implementation of the operations program regarding; authorization, use, operator maintenance, and associated hazards.**
- 4. Configuration Program. Development and implementation of the vehicle configuration program regarding modifications or additions to vehicles which affect capacity, and safe operation.**

## Case Western Reserve University Powered Industrial Trucks Program

### **1. Written Program.**

This standard practice instruction will be maintained in accordance with 29 CFR 1910.178 and updated as required. Where no update is required this document will be reviewed annually. Effective implementation of this program requires support from all levels of management within this company. This written program will be communicated to all personnel that are affected by it. It encompasses the total workplace, regardless of number of workers employed or the number of work shifts. It is designed to establish clear goals, and objectives.

### **2. Training program.**

#### **Operator Training.**

Only trained and authorized operators shall be permitted to operate a powered industrial truck. Employees will be trained in accordance with the following guidelines.

2.1 The Case Western Reserve University Directors of EHS, or select trainers, (once trained) will have the authority to provide training on the operation of powered industrial trucks.

2.2 Employees of Case Western Reserve University will not operate a powered industrial truck (PIT) unless they have received training in accordance with this standard practice instruction.

2.3 Personnel rotated within the company will have their training verified prior to being allowed to operate a PIT.

2.4 Employee personnel records will be annotated with the date, title, and specifics of said training.

2.5 Any employee who refuses such training will not be permitted to operate a PIT.

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### **3. Operations Program.**

3.1 Trucks shall not be driven up to anyone standing in front of a fixed object.

3.2 No person shall be allowed to stand or pass under the elevated portion of any truck, whether loaded or empty.

3.3 Unauthorized personnel shall not be permitted to ride on powered industrial trucks. A safe place to ride shall be provided where riding of trucks is authorized.

3.4 Arms or legs are prohibited from being placed between the uprights of the mast or outside the running lines of the truck.

3.5 When a powered industrial truck is left unattended, load engaging means shall be fully lowered, controls will be neutralized, po



### 3.14 General requirements. Operators:

3.14.1 Operators will obey Plant/Site speeds and other traffic regulations at all times.

3.14.2 Operators will operate loaded trucks with forks no more than 6-8 inches above the ground, with the load carried low and tilted back.

3.14.3 Operators will not raise or lower loads while moving.

3.14.4 Operators will not carry anything on the overhead guard.

3.14.5 Operators will use all plant/Site observation mirrors

3.14.6 Operators will ensure vehicle sound/illuminated warning devices are operational.

3.14.7 Operators will yield right of way to pedestrians, emergency vehicles, and avoid pedestrian lanes.

3.14.8 Operators will drive cautiously on uneven or slippery surfaces.

3.14.9 Operators will ensure the load is pointed uphill where the gradient is greater than 10 percent.

3.14.10 Operators will ensure fire protection equipment is carried with the vehicle and is in proper working order.

### 3.15 Pre-start requirements. Operators:

3.15.1 The Operator will verify that all brakes, controls, gauges, lights, seat belts, and routine operational features are in proper working order. They shall be examined before and after each shift. Defects when found shall be immediately reported and corrected.

3.15.2 The Operator will remove the truck from service any time it is found to be in need of, has been restored to safe operating condition.

3.15.3 The Operator will check for leaks and perform necessary operator maintenance before starting vehicle.

3.15.4 The Operator will report deficiencies to maintenance.

3.15.5 The Operator will ensure they know the load capacity and stay within it.

3.15.6 The Operator will be cognizant of the planned route and aware of areas with inadequate headroom, lighting, obstructions, and floor surface problems.

3.15.7 The Operator will wear the same level of personal protective equipment as the personnel they are directly working with.

3.15.8 The Operator will not engage in stunt driving or horseplay.

3.15.9 The Operator will slow down for wet and slippery floors.

3.15.10 The Operator will properly secure dockboard or bridgeplates before they are driven over. Dock board or bridge plates will be driven over carefully and slowly and their rated capacity never exceeded.

3.15.11 The Operator will approach any elevators slowly, and then enter squarely after the elevator car is properly leveled. Once on the elevator, the controls shall be neutralized, power shut off, and the brakes set until the desired level is reached.

3.15.12 Motorized hand trucks must enter elevators or other confined areas with load end forward.

3.15.13 Driving over loose objects on the roadway surface shall be avoided.

3.15.14 When negotiating turns, speed shall be reduced to a safe level by means of turning the hand steering wheel in a smooth, sweeping motion. Except when maneuvering at a very low speed, the hand steering wheel shall be turned at a moderate, even rate.

3.15.15 The Operator will use extreme care tilting the load forward or backward, particularly when high tier levels are required. Tilting forward with load engaging means elevated, shall be prohibited except to pick up a load. An elevated load shall not be tilted forward except when the load is in a deposit position over a rack or stack. When stacking or creating tiers, only enough backward tilt to stabilize the load shall be used.

### 3.16 Loading/Unloading requirements. Operators:

3.16.1 The Operator will ensure load is within the trucks rated capacity.

3.16.2 The Operator will place load squarely on forks until load touches carriage.

3.16.3 The Operator will ensure load is stable and centered on forks, and stack or tie loose or uneven loads (or ensure proper personnel accomplish this prior to loading).

3.16.4 The Operator will secure the vehicle when not in use to prevent unauthorized personnel from operating the vehicle.

3.16.5 The Operator will tilt the mast back to lift load.

3.16.6 The Operator will proceed straight into trailers or railcars to load/unload.

3.16.7 The Operator w

3.18.8 Try to prevent spills, clean any spills promptly, replace fuel cap before starting or moving vehicle.

3.18.9 Take empty propane tanks to an authorized compressed gas container disposal/storage area and follow Case Western Reserve University policy for disposal/storage.

**4. Configuration program.**

4.1 No modifications or additions which affect capacity and safe operation shall be performed without the manufacturers'



4.4.6 The EE designated units are electrically powered units that have, in addition to all of the requirements for the F and ES units, the electric motors and all other electrical equipment completely enclosed. In certain locations the FE unit may be used where the use of an E and ES unit may not be considered suitable.

4.4.7 The EX designated units are electrically powered units that differ from the F, ES, or FE units in that the electrical fittings and equipment are so designed, constructed and assembled that the units may be used in certain atmospheres containing flammable vapors or dusts.

4.4.8 The O designated units are gasoline powered units having minimum acceptable safeguards against inherent fire hazards.

4.4.9 The OS designated units are gasoline powered units that are provided with additional safeguards to the exhaust, fuel, and electrical systems. They may be used in some locations where the use of a O unit may not be considered suitable.

4.4.10 The LP designated unit is similar to the U unit except that liquefied petroleum gas is used for fuel instead of gasoline.

**| FOR THE WEEK OF:    / /**  
**VISUAL**

**TRUCK #**

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